

Product datasheet for **SC200662**

COX5B (NM_001862) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	COX5B (NM_001862) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	COX5B
Synonyms:	COXVB
ACCN:	NM_001862
Insert Size:	305 bp
Insert Sequence:	>SC200662 3'UTR clone of NM_001862 The sequence shown below is from the reference sequence of NM_001862. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC AAGCTGGTGCCCCAGCAGCTGGCACACTGAGCACCTGCACTAAATTAATACTCAAATGTGCTGTAAAGTTT CTTCTTTCCAGTAAAGACTAGCCATTGCATTGGCTCCTTCTCCCATAGATGGCTGGTCTTATTTCTTAC CCGTATTCTTTGGTAGGCATGGAATATGCTTATTTGGGAAAAGCTGTCTGTTAATGCTAGCTTGCCAT CCACTTACTGAAAGTGTATAACCAGTGTATAGTGCTTAGATTAATAATAAGAATAGATCGACAACCCGT AATGCAATGAATGGGACCACCTGGTATGA ACGCGT AAGCGGCCGCGGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTTGATTCCACCGCCCTTCTATGAAAGG
Restriction Sites:	Sgfl-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_001862.3</u>



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Summary: Cytochrome C oxidase (COX) is the terminal enzyme of the mitochondrial respiratory chain. It is a multi-subunit enzyme complex that couples the transfer of electrons from cytochrome c to molecular oxygen and contributes to a proton electrochemical gradient across the inner mitochondrial membrane. The complex consists of 13 mitochondrial- and nuclear-encoded subunits. The mitochondrially-encoded subunits perform the electron transfer and proton pumping activities. The functions of the nuclear-encoded subunits are unknown but they may play a role in the regulation and assembly of the complex. This gene encodes the nuclear-encoded subunit Vb of the human mitochondrial respiratory chain enzyme. [provided by RefSeq, Jul 2008]

Locus ID: 1329

MW: 11.3